

PROJECT DESCRIPTION

I. GENERAL

This project involves the replacement of the cabinet & controller, traffic signals and signs and the addition of video detection equipment. The intersection of MD 343 (Washington St.) @ MD 341 (Race St.) is located in Dorchester County.

II. INTERSECTION OPERATION

The intersection shall operate in a NEMA 4-phase, full-traffic-actuated mode. The MD 343 (Washington St.) approaches will operate as split phases. The MD 341 (Race St.) approaches will run concurrently.

III. CONTROLLER REQUIREMENTS

A fully-Traffic-Actuated eight phase traffic signal controller (Econolite ASC 2 2100 Controller) housed in a NEMA size "5" pole mounted cabinet with SSM 12 E conflict monitor, video interface equipment for 1-4 cameras and relay package (SHA specifications).

IV. SPECIAL NOTES

It is the responsibility of the contractor to confirm geometrics prior to placing signal equipment.

THE FOLLOWING CONTACT PERSONS FOR DISTRICT 1 ARE AS FOLLOWS:

Mr. Gene Cofield  
Assistant District Engineer-Traffic  
Phone: (410) 677-4040

Mr. James R. Wright  
Assistant District Engineer-Maintenance  
Phone: (410) 677-4010

Mr. Bruce W. Poole  
Utility Engineer  
Phone: (410) 677-4082

THE FOLLOWING CONTACT PERSONS FOR OFFICE OF TRAFFIC AND SAFETY ARE AS FOLLOWS:

Mr. Richard L. Daff  
Chief Traffic Operations Division  
Phone: (410) 787-7630

Mr. Ed Rodenhizer  
Chief, Signal Operations  
410-787-7650

Mr. Eugene Bailey  
Chief, Sign Operations  
410-787-7676

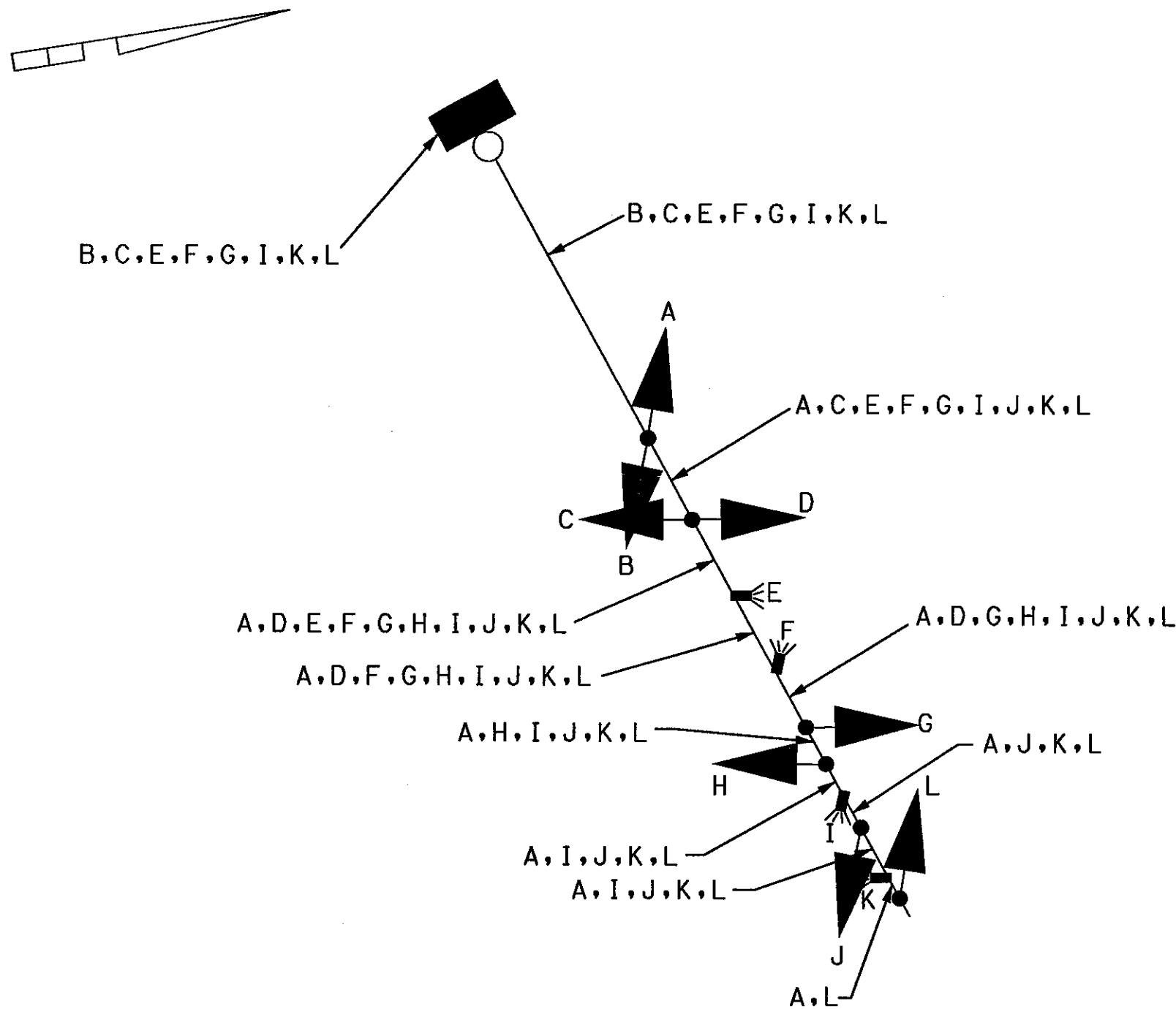
The Power Company Representative is:  
Mr. Wade Willey  
Connectiv  
Phone: (410) 860-6359

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8007	4 EA	CONTROL CABLE, 100 FOOT, VIDEO DETECTION
8021	1 EA	REMOVE & DISPOSE MATERIALS & EQUIPMENT PER ASSIGNMENT
8057	9 SF	INSTALL OVERHEAD SIGN
8058	4 EA	VIDEO DETECTION CAMERA
8077	24 EA	FURNISH AND INSTALL 8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8078	2 EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8086	100 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5 -CONDUCTOR (NO. 14 AWG)
8087	300 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7 -CONDUCTOR (NO. 14 AWG)
8096	1 EA	INSTALL CONTROLLER & CABINET - POLE MOUNT

WIRING DIAGRAM



WIRING KEY

- A,D,H,J - 5-CONDUCTOR ELECTRICAL CABLE (No. 14 AWG)
- B,C,G,L - 7-CONDUCTOR ELECTRICAL CABLE (No. 14 AWG)
- E,F,I,K - VIDEO DETECTION CONTROL CABLE

PHASE CHART

	1	2	3	4	5	6	7	8
PHASE 2+6	G	G	G	G	R	R	R	R
CLEAR	Y	Y	Y	Y	R	R	R	R
PHASE 3	R	R	R	R	R	R	G/YG	G
CLEAR	R	R	R	R	R	R	R	Y
PHASE 4	R	R	R	R	G/YG	G	R	R
CLEAR	R	R	R	R	Y	Y	R	R
FLASHING OPERATION	FL/YFL/YFL/YFL/YFL/RFL/RFL/RFL/R							

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
9042	1 EA	CONTROLLER ASC II WITH TELEMETRY
9043	1 EA	CONTROLLER CABINET, SIZE 5
9086	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS
9571	9 SF	SHEET ALUMINUM MAST ARM MOUNTED SIGNS (1) R3-5 30" X 24" (1) R10-11(b) 24" X 24"

**RK & K**

**RUMMEL, KLEPPER & KAHL, LLP**  
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**SHA** MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 341 (RACE ST) AND MD 343 (WASHINGTON ST)  
GENERAL INFORMATION SHEET  
CAMBRIDGE, MARYLAND  
SHA # : D000-AB1/001 TOP # : AT200-09

DRAWN BY: SRM	F.A.P. NO.	TS NO.
CHECKED BY: BLB	S.H.A. NO. AT3555185	1300B-G1
SCALE: NONE	COUNTY: DORCHESTER	T.I.M.S. NO.
DATE: 11-1-2004	LOG MILE: 0934310.33	G430

SHEET NO.  
2 OF 2